

Priority Chemicals not Reportable to TRI

Not all the PCs have TRI data. For these PCs (see Exhibit), no Trends analyses are presented in this Trends Report. EPA is evaluating the use of Hazardous Waste Biennial Report (BR) data for future trends analyses of these PCs. Information regarding these PCs, including CAS number, alternative names, general uses, and potential hazards is presented below.

Exhibit 4. 251. The Priority Chemicals Not Reported to TRI

Priority Chemicals Not Reported to TRI	
Acenaphthene	Fluorene
Acenaphthylene	Heptachlor epoxide (see Heptachlor above)
4-Bromophenyl phenyl ether	Pyrene
Endosulfan, beta-/Endosulfan, alpha	1,2,4,5-Tetrachlorobenzene

Acenaphthene

Chemical Information

Acenaphthene looks like a white crystal-like solid.

CAS Number - 83-32-9

Alternate Names - 1,2-dihydroacenaphthene, 1,2-dihydroacenaphthylene, 1,8-ethylenenaphthalene, ethylene naphthalene, naphthyleneethylene, peri-ethylenenaphthalene

General Uses - This chemical is used to make dyes, plastics and pesticides.

Potential Hazards - This chemical is harmful by inhalation, ingestion or skin absorption. It emits toxic fumes of carbon monoxide and carbon dioxide when heated to decomposition.

Acenaphthylene

Chemical Information

Acenaphthylene is one of a group of chemicals called polycyclic aromatic hydrocarbons, PAHs for short. PAHs are solid and range in appearance from colorless to white or pale yellow-green.

CAS Number - 208-96-8

Alternate Names - 1,2-dehydroacenaphthalene

General Uses - This chemical is used to make dyes, plastics and pesticides.

Potential Hazards - Many PAHs have caused tumors in laboratory animals that were exposed to the chemicals through their food, from breathing contaminated air and when it was applied to their skin. However, these effects have not been seen in humans.

4-Bromophenyl phenyl ether

Chemical Information

4-Bromophenyl phenyl ether is found in liquid form. No other information about its appearance is available.

CAS Number - 101-55-3

Alternate Names - 1-bromo-4-phenoxybenzene, 4-bromodiphenyl ether, p-bromodiphenyl ether, 4-bromophenoxybenzene, 4-bromophenyl phenyl ether

General Uses - This chemical is primarily used for research purposes. In the past it was used as a flame retardant.

Potential Hazards - This chemical is combustible. Fires involving this chemical should be extinguished with dry chemical, carbon dioxide, and/or halon extinguishers.

Endosulfan, beta-/Endosulfan, alpha

Chemical Information

Endosulfan looks like a brown-colored crystal and has an odor like turpentine.

Alpha CAS Number - 959-98-8, **Beta CAS Number** - 33213-65-9

Alternate Names - hexachloro-5-norbornene-2,3-dimethanol, cyclic sulfite

General Uses - This chemical is used as an insecticide on crops. It has not been produced in the United States since 1982, but it has been used to make other chemicals.

Potential Hazards - Breathing, eating or drinking high doses of endosulfan may cause convulsions and death.

Fluorene

Chemical Information

Fluorene is one of a group of chemicals called polycyclic aromatic hydrocarbons, PAHs for short. PAHs are solid and range in appearance from colorless to white or pale yellow-green.

CAS Number - 86-73-7

Alternate Names - 2,2'-methylenebiphenyl, 2,3-benzindene, o-biphenylenemethane, 9H-fluorene, alpha-diphenylenemethane-9H-fluorene, diphenylenemethane

General Uses - This chemical is used to make dyes, plastics and pesticides.

Potential Hazards - This chemical is not very flammable but any fire involving this compound may produce dangerous vapors.

Pyrene

Chemical Information

Pyrene is colorless crystal-like solid but can also look yellow.

CAS Number - 129-00-0

Alternate Names - benzo[def]phenanthrene, beta-pyrene

General Uses - This chemical is used to make dyes, plastics and pesticides. It is also used to make benzo(a)pyrene.

Potential Hazards - This chemical is toxic if absorbed through the skin. It emits acrid smoke and fumes when heated to decomposition.

1,2,4,5-Tetrachlorobenzene

Chemical Information

1,2,4,5-Tetrachlorobenzene is an odorless man-made substance that can range in appearance from a colorless crystal to a white flaky or chunky solid.

CAS Number - 95-94-3

Alternate Names - benzene tetrachloride, s-tetrachlorobenzene

General Uses - This chemical is used as an intermediate or building block to make herbicides, insecticides and defoliants. It is also used to make other chemicals such as 2,4,5-trichlorophenol and 2,4,5-trichlorophenoxyacetic acid.

Potential Hazards - Exposure to this chemical can cause eye and skin irritation and can affect ones ability to breathe.